| Index of Claims | Application No. 10/047,504 |
|-----------------|----------------------------|
|                 | Examiner                   |
|                 | W. David Coleman           |
|                 |                            |

| Application No.  | Applicant(s) |  |
|------------------|--------------|--|
| 10/047,504       | WANG ET AL.  |  |
| Examiner         | Art Unit     |  |
| W. David Coleman | 2823         |  |

|                    | 4              | Rejected - (Through numeral) Cancelled |              |          |          |             |          |              |            |              |          |          | N        | No            | n-El              | ec        | ted      | :            | A             |        | A             | PP         | eal                 | I        |           |          |             |          |             |          |          |
|--------------------|----------------|--|--------------|----------|----------|-------------|----------|--------------|------------|--------------|----------|----------|----------|---------------|-------------------|-----------|----------|--------------|---------------|--------|---------------|------------|---------------------|----------|-----------|----------|-------------|----------|-------------|----------|----------|
|                    | =              | Allowed                                |              |          |          |             |          | •            | Restricted |              |          |          |          |               |                   |           | 1        | Interference |               |        |               |            | 0                   | Objected |           |          |             |          |             |          |          |
| Claim              | n Oate         |  |              |          |          |             | Cleim D  |              |            |              |          |          | Dε       | Date Cla      |                   |           |          |              | aim           | n Date |               |            |                     |          |           | _        | _           |          |             |          |          |
| _ =                | Τ.             | Т                                      | T            | Γ        |          | 1           | П        | $\top$       |            |              | -6       |          |          |               | Т                 | Т         | Т        | Т            |               |        |               | a          | П                   | T        | T         |          |             | П        |             |          |          |
| Final<br>Oʻriginal | \$             |  |              |          |          |             |          |              |            | Final        | Original |          |          |               |                   |           |          |              |               |        | Final         | Original   |                     |          |           |          |             |          |             |          |          |
| 1                  | 1.             | T                                      | L            |          |          | $\Box$      | コ        |              |            |              | 51       |          |          | $\Box$        |                   | 1         |          |              |               |        |               | 101        | $\Box$              | I        | $\Box$    | $\Box$   | $\Box$      | コ        | $\sqsupset$ |          |          |
| 1                  | Ŀ              | L                                      | $\perp$      |          | П        | 4           | 4        | $\downarrow$ | _          |              | 52       | _        | Н        | 4             | 4                 | 4         | 4        | -            | 4-            |        |               | 102        | $\vdash$            | 4        | +         | 4        | -           |          | $\dashv$    | 4        | Н        |
| 1                  | <del>ا</del> ن | ╀                                      | ╀            | ⊢        |          | -           | +        | +            | -          | <b> </b> -   | 53<br>54 | $\vdash$ | Н        | ᅱ             | -                 | ╬         | +        | +            | +             |        |               | 103        | $\vdash$            | +        | $\dashv$  | ┪        | ┥           | $\dashv$ | $\dashv$    | -        | Н        |
| - 1                | :              | ╀                                      | ╀            | ┢        | $\vdash$ | ┥           | $\dashv$ | +            | -          | ┝            | 55       | -        | Н        | ┪             | +                 | +         | ┪        | +            | +-            |        | -             | 105        | H                   | ╅        | ╅         | +        | 1           | 1        | $\dashv$    | -        | Н        |
| 6                  | †:             | ╁                                      | +            | ╁╌       | Н        | ┪           | 十        | 十            |            | $\vdash$     | 56       | Т        | Н        | 7             | +                 | 十         | 7        | $\top$       | $\top$        |        |               | 106        | П                   | 7        | 7         | 7        | ヿ           | ╗        | ╗           |          |          |
| 7                  | 1.             | t                                      | +            | $\vdash$ | П        | ┪           | 1        | $\exists$    |            |              | 57       |          |          | I             |                   | Ť         |          | $\perp$      |               |        |               | 107        |                     | I        | $\Box$    | $\Box$   | $\sqsupset$ | $\Box$   | $\Box$      |          |          |
| 8                  | 1.             |  |              |          |          |             | $\Box$   |              |            |              | 58       |          |          | $\Box$        |                   | 1         |          |              |               |        |               | 108        | Ш                   | 4        | 4         | 4        | _           | _        | _           | $\dashv$ | Ш        |
| 9                  | ŀ              | L                                      | L            |          | Ц        | _           | $\perp$  | _            | _          | Щ            | 59       | Ш        |          | 4             | _                 | 4         | 4        | _            | _             |        |               | 109        | $\sqcup$            | 4        | 4         | 4        | 4           | -        | $\dashv$    | _        | Н        |
| 10                 | _              | ╀                                      | -            | ┞-       | $\sqcup$ | -           | -        | 4            | -          | <u> — </u>   | 60       | _        | Н        |               | +                 | +         | +        | +            | +             |        |               | 110<br>111 | $\vdash$            | +        | +         | +        | ┥           | $\dashv$ | $\dashv$    | -        | Н        |
| 10                 | <del>ا</del> ن | ╀                                      | ╄            | ⊢        | Н        | -           | +        | -            | -          |              | 61       | H        | Н        | ┥             | +                 | +         | +        | +            | ╂═            |        | $\vdash$      | 112        | $\vdash$            | +        | +         | $\dashv$ | ┪           | ⇥        | $\dashv$    | $\dashv$ | Н        |
| 19                 | <u>}÷</u>      | ╀                                      | ╁            | ⊢        | Н        | ┥           | +        | ╅            | -          | <del> </del> | 63       | Н        | $\vdash$ | $\dashv$      | +                 | ╁         | ╅        | +            | ╅             |        | $\vdash$      | 113        | $\vdash$            | $\dashv$ | +         | +        | 十           | 一        | 十           | $\neg$   | $\dashv$ |
| 14                 |                | -                                      | ╁            | ┢        | Н        | ᅥ           | 十        | ╅            | -          | $\vdash$     | 64       | Н        | Н        | ┪             | +                 | +         | ┪        | _            | $\top$        |        |               | 114        |                     | 7        | 十         | ヿ        | ヿ           | ヿ        | ╛           | $\neg$   |          |
| 15                 |                | -                                      | +-           | 1        | Н        | ┪           | 寸        | +            | _          |              | 65       | П        | Н        | ┪             | $\neg \vdash$     | †         | ┪        | _            | 1             |        |               | 115        |                     | 寸        | T         |          | コ           | $\Box$   | $\Box$      |          |          |
| 16                 |                | -                                      | 1            | 厂        | П        | ┪           | 7        | 寸            |            |              | 66       |          |          | $\Box$        |                   | 1         |          |              |               |        |               | 116        |                     | $\Box$   |           | $\Box$   | $\Box$      | $\Box$   |             |          |          |
| 17                 | Ξ              | Ι                                      |              |          |          | $\Box$      | П        | $\Box$       |            |              | 67       |          |          |               |                   | I         |          |              |               |        |               | 117        | Ш                   | 4        | _         | 4        | 4           | _        | _           | _        | Ш        |
| 18                 | ΙΞ             | Ι                                      | $oxed{oxed}$ |          |          | $\sqsupset$ | $\Box$   | $\Box$       |            |              | 68       |          | П        | $\Box$        | _                 | 4         | 4        | _            | 4             |        |               | 118        | $\vdash \downarrow$ | 4        | +         | 4        | -           |          | 4           | 4        | Н        |
| 19                 |                | -                                      | 4_           | <u> </u> | Ц        | 4           | 4        | 4            | _          |              | 69       | _        | Н        | 4             | -                 | +         | 4        | -            | +             |        |               | 119<br>120 | ┝                   | +        | +         | -        | ↤           | ᅱ        | ᅱ           |          |          |
| 20                 |                | -                                      | ╀            | <b> </b> | Н        | -           | $\dashv$ | +            |            | <u> </u>     | 70<br>71 | H        | Н        | ┥             | -                 | +         | +        |              |               |        |               | 121        | ┰                   | ┰        | +         | ┪        | ┪           | $\dashv$ | -           |          | H        |
| 21                 | =              | -                                      | ┿            | ╀        | $\vdash$ | $\dashv$    | $\dashv$ | ┵            | -          | <del> </del> | 72       | $\vdash$ | Н        | ᅥ             |                   | +         | ┪        | -            | +-            |        | $\vdash$      | 122        | $\vdash$            | +        | $\dashv$  | ┪        | 7           | 7        | $\dashv$    |          |          |
| 23                 |                | -                                      | +            | -        | Н        | ┪           | $\dashv$ | +            | -          | <del> </del> | 73       | H        | Н        | ┪             | 十                 | +         | 7        | -1-          |               |        |               | 123        | $\sqcap$            | ヿ        | 7         | 7        | ╗           | ╛        | $\neg$      |          |          |
| 24                 |                | -                                      | +            | 1        | Н        | _           | 十        | ┪            |            |              | 74       |          |          |               |                   |           | T        |              |               | 1      |               | 124        |                     | $\Box$   | $\Box$    | $\Box$   | $\Box$      | $\Box$   | $\Box$      |          |          |
| 25                 | _              | T                                      | T            |          |          | $\Box$      | $\Box$   |              |            |              | 75       |          |          |               | $\Box \mathbb{L}$ |           |          |              |               |        |               | 125        | $\sqcup$            | 4        | 4         | _        | 4           | _        | _           |          | L        |
| 26                 |                | Ι                                      | oxdot        |          |          | $\Box$      | $\Box$   | $\Box$       |            |              | 76       | Щ        | Щ        | _             | _                 | 4         | 4        |              | $\bot$        |        |               | 126        | $\vdash$            | 4        | 4         | -        | -           |          |             | _        |          |
| 27                 |                | -                                      | 1_           | ┞        | Ц        | 4           | 4        | 4            | _          |              | 77       | _        | Ш        | _             |                   | +         | 4        | +            | ╁┤            |        |               | 127<br>128 | ╌                   | +        | +         | ┥        | ┥           | ┥        | $\dashv$    |          | Н        |
| 28                 |                | _                                      | ┦            | ⊢        | Н        | -           | -        | +            |            | <u> </u>     | 78<br>79 | <u> </u> | $\vdash$ |               |                   | +         | +        | +            | +             |        |               | 129        | ₩                   | -+       | ╅         | +        | $\dashv$    | ┥        | $\dashv$    | -        | $\vdash$ |
| 29<br>30           | N              |  | ╫            | ⊢        | Н        | -+          | +        | ╅            | -          | <del> </del> | 80       | -        | Н        | ᅥ             | $\dashv$          | +         | +        | +            | +             |        |               | 130        | Н                   | +        | 十         | ┪        | ヿ           | ┪        | 一           |          |          |
| 3                  | N              |  | ┿            | ╁        | Н        | -1          | _        | +            | $\dashv$   | 一            | 81       | $\vdash$ | Н        | 一             | $\top$            | +         | 7        | $\neg$       | $\top$        |        |               | 131        |                     |          |           | コ        | コ           | $\Box$   |             |          |          |
| 32                 | N              |  | +            | t        | П        | _           | _        | 7            |            |              | 82       |          | П        |               |                   | Ì         |          |              |               |        |               | 132        |                     |          | $\Box$    | $\Box$   | $\Box$      | $\Box$   | $\Box$      |          |          |
| 13                 | N              |  | 1            |          | П        | ヿ           | Ì        |              |            |              | 83       |          |          |               |                   | Ι         |          |              |               |        |               | 133        | Ш                   | 4        | 4         | 4        | 4           | _        | _           | _        | Ш        |
| 34                 | $I_{-}$        | Ι                                      |              |          | $\Box$   |             |          | $\sqsupset$  |            |              | 84       |          | Ш        | _             |                   | 1         | 4        | _ _          | 4-            |        |               | 134        | ╀                   | 4        | +         | 4        | -           | -        |             | -        | Н        |
| 35                 |                | L                                      | ┸-           | L        | Ц        | _           | 4        | 4            | _          | <u> </u>     | 85       | ┡        | Н        | _             | 4                 | +         | 4        |              | 4-            |        | $\vdash$      | 135<br>136 | ╌┼                  | +        | +         | $\dashv$ | ᅪ           | -        | -           | $\dashv$ | Н        |
| 36                 | 4-             | ╀                                      | ┺            | ┡        | Н        | _           | -        | $\dashv$     | -          | <b> </b>     | 86<br>87 | H        | Н        | -             | -                 | +         | -        | $\dashv$     | ╅┥            |        | $\vdash$      | 137        | -                   | +        | +         | ┪        | ┪           | ┥        | $\dashv$    | $\vdash$ | Н        |
| 37                 |                | ╀                                      | +-           | ⊢        | ⊢        | $\dashv$    | +        | ┰            | -          | ├            | 88       | $\vdash$ | Н        | $\dashv$      | -                 | +         | +        | +            | +-            |        |               | 138        | $\vdash$            | $\dashv$ | $\dashv$  | 1        | ┪           | 7        | ┪           | _        | $\Box$   |
| 38<br>39           | +              | ╁╴                                     | ┿            | $\vdash$ | ╌┤       | ┪           | $\dashv$ | $\dashv$     | -          | <del> </del> | 89       | Н        | Н        | $\dashv$      | -†-               | ╅         | 7        | $\neg$       | $\top$        |        | $\vdash$      | 139        |                     | 7        | $\dashv$  | 7        | ┪           | ╛        | ᅥ           |          |          |
| 40                 |                | 十                                      | +            | $\vdash$ | Н        | _           | $\dashv$ | $\dashv$     | -          |              | 90       |          | П        | 口             | 丁                 | I         | ⇉        | 工            |               |        |               | 140        |                     | $\Box$   | $\Box$    |          | コ           | コ        | コ           |          |          |
| 41                 |                | Ť                                      | T            | Г        | П        |             | 1        | ┪            |            |              | 91       |          |          |               | $\Box \Box$       |           |          | $\Box$       |               |        |               | 141        |                     | $\perp$  | $\supset$ | $\Box$   | $\Box$      | $\Box$   |             |          |          |
| 42                 |                | Ι                                      | Ι            |          |          |             |          |              |            |              | 92       |          |          |               | $\perp$           | 1         | J        | $\perp$      |               |        | <u> </u>      | 142        |                     | +        | 4         | 4        | 4           |          | _           | 4        | Н        |
| 43                 | _              | Ţ                                      | Ţ            | L        | Щ        |             | 4        | 4            | _          | <u> </u>     | 93       | Ш        | Ш        | _             | 4                 | +         | 4        | +            |               |        | <b>_</b>      | 143        | ₩                   | +        | +         | 4        | -+          | -        |             | $\dashv$ | Н        |
| 44                 |                | ╀                                      | ╄            | <u> </u> | $\sqcup$ | $\dashv$    |          | 4            | -          | <b> </b>     | 94       | $\vdash$ | Н        |               | +                 | +         | +        |              | ╁             |        |               | 145        | ┥                   | +        | +         | +        | +           | $\dashv$ | $\dashv$    | $\dashv$ | $\vdash$ |
| 45                 |                | ╀                                      | +            | ⊢        | ⊢        | $\dashv$    | -        | $\dashv$     |            | <b></b> -    | 95<br>96 | $\vdash$ | Н        | -             | +                 | +         | $\dashv$ | +            | +             |        | $\vdash$      | 146        | H                   | +        | $\dashv$  | ┪        | $\dashv$    | $\dashv$ | $\dashv$    | $\dashv$ | Н        |
| 46                 |                | ╀                                      | +            | ┝        | H        | $\dashv$    | -        | -+           | $\dashv$   | <del> </del> | 97       | $\vdash$ | Н        | -             | +                 | +         | ┪        | +            | $\top$        |        |               | 147        | H                   | ┪        | +         | $\dashv$ | $\dashv$    | $\dashv$ | $\dashv$    | _        | Г        |
| 47                 |                | ╁                                      | ╁            | ╀╌       | ╁        | $\dashv$    | -        | +            | -          | <del> </del> | 98       | Н        | Н        | $\dashv$      | $\dashv$          | $\dagger$ | 7        | $\dashv$     | $\top$        |        |               | 148        |                     | $\neg$   | 士         | 7        | 7           | ┪        | $\dashv$    |          | П        |
| 1 70               |                | _                                      | _            |          | ↤        | -           |          | -            | -          |              |          | •        | _        | $\overline{}$ | _                 | +         | -+       | _            | $\overline{}$ |        | $\overline{}$ | 440        |                     | -1       | T         | -        | $\neg$      | $\neg$   |             |          |          |